TM 11-5820-399-35P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOL LISTS

RECEIVER-TRANSMITTER,
RADIO RT-246/VRC

HEADQUARTERS, DEPARTMENT OF THE ARMY

11 MAY 1962

TECHNICAL MANUAL
No. 11-5820-399-35P

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RECEIVER-TRANSMITTER, RADIO RT-246/VRC

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SECTION I

INTRODUCTION

1. Scope

a. This manual lists the quantities of repair parts for third, fourth, and fifth echelon field maintenance and is a basis for requisitioning authorized parts. It is also a guide for fifth echelon in establishing initial levels of spare parts.

b. Columns are as follows:

(1) *Source, maintenance, and recoverability code.* Source, maintenance, and recoverability codes indicate the technical service responsible for supply, the echelons where an item is stocked, echelons where an item is installed or repaired, and whether an item is repairable or salvageable. The source code column is divided into four parts.

(a) Column A. This column indicates the technical service responsible for supply. AR 310–2 defines the basic numbers used to identify the technical services. If the part is supplied by the Signal Corps, the column is blank.

(b) Column B. Not used.

(c) Column C. This column indicates the lowest maintenance echelon authorized to install the part.

"O"—Organizational maintenance (1st and 2d echelon).

"F"—Field maintenance (3d echelon).

"H"—Field maintenance (4th echelon).

(d) Column D. The symbols in this column indicate whether the item is repairable or salvageable, as follows:

"R"—indicates that the part or assembly is economically repairable and is supplied, when available, on an exchange basis.

(2) *Federal stock number.* This column lists the 11-digit Federal stock number.

(3) *Designation by model.* Not used.

(4) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.

(5) *Unit of issue.* The unit of issue is each unless otherwise indicated and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(6) *Expendability.* Nonexpendable items are indicated by NX. Expendable items are not annotated.

(7) *Quantity incorporated in unit.* This column lists the quantity of each part found in a given assembly, component, or equipment.

(8) *Field (third echelon).* This column indicates quantities of repair parts authorized for initial stockage for use in the third echelon maintenance and in supply support to second echelon. The quantities are based on 100 equipments to be maintained for a 15-day period.

(9) *Field (fourth echelon).* The numbers in this column indicate quantities of repair parts authorized for initial stockage for use in fourth echelon maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

(10) *Depot (fifth echelon).* The numbers in this column indicate quantities of repair parts authorized for depot maintenance and for initial stockage for maintenance, and for supply support to lower echelons. The entries are based on the quantity required for rebuild of 100 equipments.

(11) *Illustrations.* The "Item No." column lists the reference symbols used for identification of the items in the illustration or text of the manual.

2. Parts for Maintenance

When this equipment is used by signal service organizations organic to the theater headquarters or communication zones to provide theater com-

munications, those repair parts authorized up to and including fourth echelon are authorized for stockage by the organization operating this equipment.

3. Electron Tubes

The consumption rates given for tubes are conservative theoretical estimates and are provided for use only when more complete information, such as data based on operating experience, is not available. These figures are based on levels and requirements for equipment actually in use, not on authorizations or equipment stored in depots.

4. Other Service Stock Numbers

Other service items listed herein are authorized in accordance with AR 700–51.

5. Requisitioning Information

a. The allowance factors are based on 100 equipments. In order to determine the number of parts authorized for initial stockage for the specific number of equipments supported, the following formula will be used and carried out to two decimal places.

$$\text{Specific number of equipments supported} \times \frac{\text{allowance factor}}{100} = \text{Number of parts authorized for initial stockage.}$$

b. Fractional values obtained from above computation will be rounded to whole numbers as follows:

(1) When the total number of parts authorized is less than 0.5, the quantity authorized will be zero.

(2) When the total number of parts authorized is between 0.5 and 1.0, the quantity authorized will be one.

(3) For all values above one, fractional values below 0.5 will revert to the next lower whole number and fractional value 0.5 and above will advance to the next higher whole number.

c. The quantities determined in accordance with the above computation represent the initial stockage for a 15-day period.

6. References

A maintenance allocation chart is contained in TM 11–5820–401–20. A basic issue items list is contained in TM 11–5820–401–10. Additional instructions concerning maintenance of this equipment are contained in TM 11–5820–399–20P.

7. Comments or Suggestions

Any comments concerning omissions and discrepancies in this manual will be prepared on DA Form 2028 and forwarded direct to Commanding Officer, U. S. Army Signal Materiel Support Agency, ATTN: SIGMS–ML, Fort Monmouth, N. J.

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 3RD	(9) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 4TH	(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS 5TH	(11) ILLUSTRATIONS FIGURE NO.	(12) ILLUSTRATIONS ITEM NO.
A	B	C	D			RECEIVER-TRANSMITTER, RADIO RT-246/VRC								
				5820-892-0623		RECEIVER-TRANSMITTER, RADIO RT-246/VRC: FM receiver-transmitter; 35 max power output; freq, data; 30 to 75.95 mc, 2 bands, 920 channels; may be manually tuned from the front panel to any frequency in the range of 30 mc to 75.95 mc in 50 kc increments, or automatically tuned from the front panel or remotely, to any of ten preset freq within the 30 mc to 75.95 mc tuning range; oper power rqmts; 26 v dc; 6 19/32 in w x 13 5/32 in h x 15 11/32 in lg o/a		XX						
		F		5930-884-2578		ACTUATOR, BAND SWITCH: (provides means to sw final ampl one band to another) steel, passivated fin; 1000 in lg x 0.750 in w x 0.516 in h; Avco part 802290			1	0.1	0.1	5.0		
		F		5820-884-2453		ACTUATOR, COIL: actuates coil ref sym L6204) left hand; c/o 1 disc, 1 pin, 1 pin spring; rd shape; 0.625 in lg x 0.594 in w x 0.500 in h o/a; Avco part 802338-1			1	0.2	0.1	5.0		
		F		5820-884-2454		ACTUATOR, COIL: (actuates coil ref sym L6205) right hand; c/o 1 disc, 1 pin, 1 pin spring; rd shape; 0.625 in lg 0.594 in w x 0.500 in h o/a; Avco part 802338-2			1	0.2	0.1	5.0		
		F		5930-823-0764		ADAPTER, SWITCH ACTUATOR: spring leaf type; non ad; approx 0.745 in h x 0.500 in w; Micro switch part JX46			1	0.2	0.1	12.0		
		F		5820-884-2463		AMPLIFIER, SUB-ASSEMBLY: p/o Driver Assy; includes Electron Tube socket XV6101; sw assy and printed circuit board; 1 3/4 in x 2 1/2 in x 3 7/16 in o/a; Avco part 802303			1	0.3	0.2	6.0		
		F		5820-884-2472		ARM, LATCH: (supports modulator module tray when open) steel; 4.507 in lg x 0.281 in w x 0.152 in h o/a; Avco part 816068			1	0.1	0.1	10.0		
		F		5820-858-6464		ARM, SLIDE: (supports CRS module tray when open) sect shape; 3 3/16 in lg x 9/16 in w x 1/16 in thk o/a; right hand; Avco part 805061-2			1	0.1	0.1	10.0		
		F		5820-858-6465		ARM, SLIDE: (supports CRS module tray when open) rect shape; 3 3/16 in lg x 9/16 in w x 1/16 in thk o/a; left hand; Avco part 805061-1			1	0.1	0.1	10.0		

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										3RD	4TH	5TH		
A	B	C	D			RT-246/VRC (continued)								
		H		3110-151-9206		BALL, BEARING: (p/o gear train assy) MIL type MS134353			2	-	0.1	12.0		
		H		5935-859-2638		BASE, SOCKET: (serves as bottom part of relay socket on CRS tray) rect shape; 0.781 in lg x 0.375 in w x 0.219 in h o/a; Avco part 811214			1	-	0.1	5.0		
		H		5820-884-2469		BEARING, SLEEVE: bronze; impregnated with lubricant: 0.125 in h x 0.359 in od x 0.1875 in id; Avco part 807181			22	-	0.7	88.0		
		H		5820-897-6874		BEARING, SLEEVE: (KC-MC Band sw shaft bearing) 0.234 in lg x 0.550 in od x 0.252 in id; Avco part 807051			3	-	0.2	18.0		
		H		5935-859-2660		BODY, SOCKET: (main body part of relay socket on CRS tray) rect shape; 0.781 in lg x 0.375 in w x 0.202 in h o/a; Avco part 811215			1	-	0.1	5.0		
		O		5820-897-6873		BUSHING, SLEEVE: (test point insulator) nylon; 0.124 in lg x 0.093 in dia; Avco part 811118			40	2.0	1.2	200.0		
		F		5995-823-2596		CABLE ASSEMBLY, RADIO FREQUENCY: 4 3/8 in lg o/a cable; MIL type RG-196/U; (orange) terminated one end with connector; plug; other end stripped and tinned Avco part 806130-2			1	0.3	0.2	10.0		
		F		5995-823-2597		CABLE ASSEMBLY, RADIO FREQUENCY: 4 3/8 in lg o/a cable, MIL type RG-196/U; (violet) terminated one end with connector; plug; other end stripped and tinned; Avco part 806130-1			1	0.3	0.2	10.0		
		F		5995-823-2598		CABLE ASSEMBLY, RADIO FREQUENCY: 7 in lg o/a, Cable MIL type RG-196/U; (brown) terminated one end with connector, plug; other end stripped and tinned; Avco, part 806102-7			1	0.2	0.1	10.0		W408
		O		5995-823-2599		CABLE ASSEMBLY, RADIO FREQUENCY: 8 in lg o/a, Cable, MIL type RG-196/U (yellow) terminated both end with connector, plug, female; Avco part 806101-13			1	0.4	0.2	10.0		W303
		O		5995-823-2600		CABLE ASSEMBLY, RADIO FREQUENCY: 9 1/2 in lg o/a; Cable, MIL type RG-196/U (orange) terminated both ends with connector, plug, female; Avco part 806101-10			1	0.4	0.2	10.0		W410

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A	B	C	D			RT-246/VRC (continued)								
		F		5995-823-2601		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 1 in lg o a; Cable MIL type RG-196/U; (orange) terminated one end with connector, plug; other end stripped and tinned; Avco part 806102-8			1	0.4	0.2	10.0		W304
		O		5995-823-2602		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 4 in lg o a, Cable, MIL type RG-196/U, (violet) terminated both ends with connector; plug, female; Avco part 806101-12			1	0.4	0.2	10.0		W412
		O		5995-823-2603		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 6 1/2 in lg o a; Cable, MIL type RG-196/U; (violet) terminated both ends with connector plug, female; Avco part 806101-9			1	0.4	0.2	10.0		W409
		O		5995-823-2608		CABLE ASSEMBLY, RADIO FREQUENCY: 6 in lg o/a; Cable, MIL type RG-196/U (green) terminated both ends with connector; plug, female, Avco part 806101-11			1	0.4	0.2	10.0		W411
		O		5995-823-2934		CABLE ASSEMBLY, RADIO FREQUENCY: 6 in lg o/a; Cable, MIL type RG-196/U (gray) terminated both ends with connector plug, female; Avco part 806101-8			1	0.4	0.2	10.0		W407
		O		5995-823-2935		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 2 in lg o/a; Cable MIL type RG-196/U; (black) terminated both ends with connector, plug, female: Avco part 806101-5			1	0.4	0.2	10.0		W403
		F		5995-823-2936		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 2 in lg o/a; MIL type RG-196/U; (brown); termination both ends with connector plug, female; Avco part 806101-7			1	0.4	0.2	10.0		W301
		O		5995-823-2937		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 1 1/2 in lg o/a; MIL type RG-196/U; (red) termination both ends with connector plug female; Avco part 806101-6			1	0.4	0.2	10.0		W404
		F		5995-853-6375		CABLE ASSEMBLY, RADIO FREQUENCY: 6 in lg o/a; MIL type RG-196/U; (blue) termination both ends with connector plug, female; Avco part 806102-1			1	0.4	0.2	10.0		W201 W401
		O		5995-853-6775		CABLE ASSEMBLY, RADIO FREQUENCY: 1 ft 8 in lg o/a; MIL type RG-196/U (green) termination both ends with connector plug, female; Avco part 806101-4			1	0.4	0.2	10.0		W202 W402
		O		5820-859-2585		CAP: (for dial lamp) includes spring and "O" ring; 15/32 in lg x 9/16 in dia; Avco part 807221			1	0.2	0.2	8.0		
		F		5910-884-2600		CAPACITOR, ELECTRICAL CONTACT: (p/o final amp tube socket) 4300 uuf; 500 vdcw; 1.75 in lg x 1.75 in w x 0.718 in h; Avco part 802213			1	0.3	0.2	7.0		C6210

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5910-755-9065		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf ± 20%; 1500 vdcw; 0.375 in dia x 0.180 in lg; Avco part 831067			2	0.1	0.2	12.0		C6213 C6216
		F		5910-787-4766		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf ± 20%; 500 vdcw; 0.438 in dia x 0.156 in lg; Erie part 851-526W5T3103M Item Nos: C6201 C6203 C6205 C6206 C6208			5	1.0	0.6	30.0		See desc column
		F		5910-838-5809		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf ± 20%; 500 vdcw; 0.375 in dia x 0.156 in lg; Erie part 801-527X5S0102M Item Nos: C6107 thru C6112 C6204 C6207 C6209 C6211 C6212 C6214			12	2.4	1.4	72.0		See desc column
		F		5910-853-6663		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 2,000 uuf - 20% + 100%; 75 vdcw; Glenco part SSM002-35 Item Nos: C301 thru C327 C331			28	4.1	2.5	224.0		See desc column
		F		5910-884-2602		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf - 20% + 50%; 75 vdcw; Avco part 816118			1	0.3	0.2	5.0		C8001
		F		5910-892-3048		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf ± 20%; 2000 vdcw; Avco part 831018			1	0.3	0.2	8.0		C6215
		F		5910-808-7413		CAPACITOR, FIXED, ELECTROLYTIC: 15 uf ± 10%; 20 vdcw; Micamold Electronics part MCS14E156K			1	0.3	0.2	7.0		C401
		F		5910-884-2603		CAPACITOR, FIXED, PAPER DIELECTRIC: 150,000 uuf ± 10%; 330 v ac; 0.750 in dia x 1.375 in lg; Avco part 831071			1	0.3	0.2	8.0		C6202
		F		5910-892-3051		CAPACITOR, FIXED, PAPER DIELECTRIC: 1 sect 200 v dc; 2 uf; ± 10%; JAN type CH04A1MC205K			5	1.0	0.6	30.0		C328 C329
		F		5910-892-3052		CAPACITOR, FIXED, PAPER DIELECTRIC: 500,000 uuf ± 5%; 50 vdcw; 0.750 in lg x 0.536 in w x 0.330 thk; Avco part 831063-10			1	0.3	0.2	8.0		C330
		H		5910-892-3054		CAPACITOR, VARIABLE, AIR DIELECTRIC: plate-meshing type 2 sect; 7.5 uuf min - 43.8 uuf max; 13 plates; 8.1 uuf min - 49.9 uuf max; 25 plates; 180 deg cw rotation of plates; 2 23/32 in lg x 1 5/8 in w x 1 5/8 in h; Avco part 802109			1	-	0.2	5.0		C6217
		F		5910-395-9309		CAPACITOR, VARIABLE, QUARTZ DIELECTRIC: 1 uuf min, 10 uuf max; 1 3/16 in lg; Sig dwg SM-B-190759			2	0.5	0.3	8.0		C6218 C6219

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F	R	5820-884-2482		CASE, AMPLIFIER-OSCILLATOR: (oscillator buffer case less plug out modules) steel, silver plated finish; rect shape; 4.000 in lg x 3.375 in w x 2.546 in h o/a; Avco part No. 815036			1	0.3	-	5.0		
		F		5820-853-5884		CHASSIS, ELECTRICAL EQUIPMENT: (IF module tray ckt board) rect shape; less hardware; 1 3 32 in x 1 5 16 in x 6 1/2 in o/a; Avco part 810119-2			1	0.1	0.1	3.0		
		F		5820-868-6481		CHASSIS, ELECTRICAL EQUIPMENT: (CRS module tray ckt board) rect shape; less hardware; 1 19 32 in x 4 5/16 in x 10 in o/a; Avco part 811160-2			1	0.1	0.1	3.0		
		F		5925-823-2607		CIRCUIT BREAKER: air arc quenching; single-throw; 50 v; 3 amp; brass; hermetically sealed; 2.10 in lg x 1.50 in w x 0.64 in h o/a; Avco part No. 813238-1			1	0.3	0.2	8.0		CB301
		F		5925-823-2615		CIRCUIT BREAKER: air arc quenching; single-throw; 50 vdc; 15 amp; brass; hermetically sealed; 2.10 in lg x 1.50 in w x 0.64 in h o/a; Avco part No. 813238-2			1	0.3	0.2	8.0		CB302
		F		5340-873-2215		CLAMP, RIM CLENCHING: (holds band sw motor) 0.468 in lg x 0.250 in w x 0.131 in h o/a; Avco part 813245			4	0.4	0.2	20.0		
		F		5340-884-5314		CLAMP, RIM CLENCHING: (used to clamp motor generator ref sym MG301 in pos) steel; passivated finish; irregular shape; 0.375 in lg x 0.273 in w x 0.131 in thk o/a; Avco part No. 813378			3	0.3	0.2	24.0		
		F		5340-871-5106		CLIP, SPRING TENSION: beryllium copper; 5/8 in lg x 1/2 in w x 0.020 in thk matl; 1/2 in lg of prong Avco part 802318			2	0.2	0.2	12.0		
		O		5340-871-5107		CLIP, SPRING TENSION: (for tube shield) beryllium copper, cad pl w/gold chromate fin; 1.728 in lg x 0.750 in w x 0.020 thk matl; 0.938 in w/loop opening, 0.884 in h o/a; Avco part 802274			1	0.2	0.1	8.0		
		F		5950-802-1805		COIL, RADIO FREQUENCY: 2.2 uh nom inductance; 1.1 ohm dc resistance; 350 ma current rating; 0.187 in dia x 0.437 in lg o/a; MIL type MS75008-8			1	0.3	0.2	6.0		L302
		F		5950-823-3233		COIL, RADIO FREQUENCY: 2 turns, single layer wnd type; 0.64 uh nom inductance; 0.722 in dia x 0.314 in w x 1.691 in lg o/a; Avco part 802209			1	0.3	0.2	6.0		L6204

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										3RD	4TH	5TH	FIGURE NO	(12) ITEM NO.
A	B	C	D			RT-246/VRC (continued)								
		F		5950-823-3234		COIL, RADIO FREQUENCY: 4 turns, single layer wnd type; 0.2 uh nom inductance; 1.000 in dia x 1.312 in h x 1.407 in lg o/a; Avco part 802183			1	0.3	0.2	6.0		L6206
		F		5950-823-3235		COIL, RADIO FREQUENCY: 2 turns, single layer wnd type; 6.9 uh nom inductance; 0.878 in dia x 0.314 in w x 1.784 in lg o/a; Avco part 802208			1	0.3	0.2	6.0		L6205
		F		5950-823-3236		COIL, RADIO FREQUENCY: 3 turns, single layer wnd; 0.09 uh nom inductance; 0.844 in dia x 1.344 in h x 1.407 in lg o/a; Avco part 802184			1	0.3	0.2	6.0		L6203
		F		5999-885-8542		COIL, RADIO FREQUENCY: 7 uh nom ind, 1 ohm dc resistance 1 amp current rating; Avco part 831032			2	0.5	0.3	12.0		L6201 L6202
		F		5820-853-5967		COLLAR, SHAFT: (p/o gear train assy) 0.250 in dia bore x 0.218 in axail lg x 0.562 in lg o/a; 1 hole No. 5-40 thd NC class; Avco part 807138			9	0.5	0.3	36.0		
		F		5820-884-2483		COLLAR, SHAFT: (for Oscillator Buffer Assy) 0.172 in bore dia x 0.187 in axial lg x 0.453 in lg o/a; Avco part No. 813295			1	0.1	0.1	4.0		
		F		5935-823-0754		CONNECTOR, RECEPTACLE, ELECTRICAL: 41 cont; 1 connector mating end; 2.775 in lg x 0.620 in w x 0.470 in h; Avco part 813301			1	0.2	0.1	10.0		P302
		F		5935-823-0770		CONNECTOR, RECEPTACLE, ELECTRICAL: 34 cont; 1 connector mating end; 1.560 in lg x 0.500 in w x 0.220 in h; Continental Connector part SM34-20SGD			1	0.2	0.1	10.0		J7101
		F		5935-823-0771		CONNECTOR, RECEPTACLE, ELECTRICAL: 7 contacts; 1 connector mating end; sect A, Ref dwg GR 206; straight type; 0.870 in lg x 0.230 in w x 0.220 in h o/a; non-locking type; Continental Connector part SM7-20SGD			1	0.2	0.2	10.0		J7201
		F		5935-823-0772		CONNECTOR, RECEPTACLE, ELECTRICAL: 10 contacts; 0.821 in lg x 1.250 in w x 1.250 in h; 7/8 -20 thd; Avco part No. 831040			1	0.2	0.1	10.0		J305
		F		5935-823-0773		CONNECTOR, RECEPTACLE, ELECTRICAL: 10 cont; 1.531 in lg x 0.484 in w x 0.421 h; Cannon Elec part DAM11W1P-C7			1	0.2	0.2	10.0		P6204

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A	B	C	D			RT-246/VRC (continued)								
		F		5935-823-0774		CONNECTOR, RECEPTACLE, ELECTRICAL: 11 male cont; 1.531 in lg x 0.422 in w x 0.422 in h o/a; Avco part 831036			1	0.2	0.2	10.0		J6204
		F		5935-823-0776		CONNECTOR, RECEPTACLE, ELECTRICAL: 12 contacts; 0.828 in lg x 1.156 in dia; Avco part No. 831039-1			1	0.3	0.2	10.0		J310
		F		5935-823-0777		CONNECTOR, RECEPTACLE, ELECTRICAL: 15 male cont; 1.531 in lg x 0.484 in w x 0.421 in h o/a; Cannon part DAF15SC33			1	0.2	0.2	10.0		J9001
		F		5935-823-0780		CONNECTOR, RECEPTACLE, ELECTRICAL: 19 contacts; 1 connector mating end; 0.821 in lg x 1.375 in w x 1.375 in h; w/inclosed shell; alum base alloy; locking and bayonet type; Avco part No. 831041			1	0.3	0.2	10.0		J306
		F		5935-823-0781		CONNECTOR, RECEPTACLE, ELECTRICAL: 11 female cont; 1.800 in lg x 0.437 in w x 0.430 in h o/a; Avco part 803118-2			1	0.2	0.2	10.0		P8001
		F		5935-853-3864		CONNECTOR, RECEPTACLE, ELECTRICAL: 11 contacts, 0.870 in lg x 0.340 in w x 0.220 in h; non locking type; Continental Connector part SM11-20SGD			1	0.2	0.2	10.0		J7001
		F		5935-853-6673		CONNECTOR, RECEPTACLE, ELECTRICAL: 18 male cont; 2.781 in lg x 1.719 in w x 1.625 in h o/a; Avco part 805017			1	0.3	0.2	10.0		P401
		F		5935-853-6674		CONNECTOR, RECEPTACLE, ELECTRICAL: 31 female cont; 3.078 in lg x 0.620 in w x 0.312 in h o/a; Avco part 813304			1	0.2	0.1	10.0		J401
		F		5935-853-6675		CONNECTOR, RECEPTACLE, ELECTRICAL: 34 female cont; 2.020 in lg x 0.620 in w x 0.590 in h; Avco part 812061			1	0.2	0.1	10.0		J5001
		F		5935-853-6833		CONNECTOR, RECEPTACLE, ELECTRICAL: 31 male cont; 3.078 in lg x 0.620 in w x 0.312 in h o/a; Avco part 813303			1	0.2	0.1	10.0		P301
		F		5935-853-6837		CONNECTOR, RECEPTACLE, ELECTRICAL: 7 female cont; 1.218 in lg x 0.375 in w x 0.359 in h o/a; Winchester Electronics part MRE7S6			2	0.4	0.2	20.0		P3001 P4001
		F		5935-853-6838		CONNECTOR, RECEPTACLE, ELECTRICAL: 34 female cont; 2.020 in lg x 0.860 in w x 0.590 in h o/a; Avco part 812060			1	0.2	0.1	10.0		P5001

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										3RD	4TH	5TH	FIGURE NO.	ITEM NO.
A	B	C	D			RT-246/VRC (continued)								
		F		5935-859-2659		CONNECTOR, RECEPTACLE, ELECTRICAL: 5 male cont; 0.937 in lg x 0.968 in dia; Amphenol part 100X3197-252			2	0.5	0.3	20.0		J303 J304
		F		5935-878-8459		CONNECTOR, RECEPTACLE, ELECTRICAL: 4 female cont; 0.340 in lg x 0.680 in w; Continental Connector part C4-20SVRN-GD			1	0.2	0.2	10.0		J404
		H		5930-823-3232		CONTACT, ASSEMBLY, ELECTRICAL: 1.531 in lg x 0.875 in w x 0.250 in h o/a; Avco part 802300			1	-	0.2	12.0		S6101A 86102B
		F		5820-853-5958		CONTACT, ELECTRICAL: (for module trays) solder cup type term; 0.331 in lg x 0.109 in dia o/a; Avco part 810002			125	8.0	3.8	1250.0		
		F		5935-853-6667		CONTACT, ELECTRICAL: (removable contacts for connectors) 0.546 in lg x 0.084 in dia; Avco part 831132-2			.21	1.9	0.7	210.0		
		F		5935-853-6742		CONTACT, ELECTRICAL: (removable contacts for connectors) 0.546 in lg x 0.084 in dia; Avco part 831132-1			85	4.2	2.5	850.0		
		H		5820-858-6482		CONTACT, ELECTRICAL: (p/o relay socket on CRS tray) 0.288 in lg x 0.181 in w x 0.060 in h o/a; Avco part 811221			4	-	0.2	40.0		
		O		5820-884-2458		CONTACT, ELECTRICAL: (heat sink for final ampl tube) 1.625 in lg x 0.750 in w x 1.688 in h; Avco part 802107			1	0.1	0.1	3.0		
		F		5820-884-2456		CONTROL, FREQUENCY SELECTOR: (band switch motor) 26 v dc oper pwr; 1 1/2 in x 2 in x 4 7/16 in o/a; Avco part 802094			1	0.3	0.2	5.0		B401
		F		5820-859-2588		COUPLING HALF, SHAFT: (for crystal switch) ss; 13/16 in od o/a x 0.569 in lg o/a; Avco part 806076			4	0.4	0.2	20.0		
		F		5820-884-2460		COUPLING HALF, SHAFT: (for driver assy) 1.250 in outside x 1.188 in lg o/a; Avco part 1802257			1	0.1	0.1	5.0		
		F		5820-884-2471		COUPLING HALF, SHAFT: (p/o gear assy) 0.813 in od x 0.531 in lg o/a; Avco part 806098			2	0.2	0.2	10.0		
		F		5820-884-2485		COUPLING HALF, SHAFT: (p/o gear drive assy) 1.0665 in od x 0.499 in lg o/a; Avco part No. 813373			1	0.1	0.1	5.0		
		F		5820-884-2486		COUPLING HALF, SHAFT: steel, 1.0208 in od x 0.529 in min, 0.534 in max lg o/a; Avco part No. 813374			1	0.1	0.1	5.0		
		O		5820-884-2462		COVER, AMPLIFIER: (protective cover f/amp circuit) 3.687 in lg x 1.891 in w x 0.157 in h; Avco part 802310-1			1	0.1	0.1	5.0		

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										3RD	4TH	5TH	FIGURE NO	(12) ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5820-884-2465		COVER, AMPLIFIER: (power amplifier) 5.281 in lg x 2.969 in w x 0.102 in thk o/a; Avco part 802352			1	0.1	0.1	4.0		
		F		5935-823-0752		COVER, ELECTRICAL CONNECTOR: (cover f/J7001) 4.125 in lg x 1.375 in w x 0.562 in h; Avco part No. 831075			1	0.1	0.1	4.0		
		F		5935-823-0755		COVER, ELECTRICAL CONNECTOR: 3.917 in lg x 1.141 in w x 0.571 in h o/a; Avco part No. 831076-2			1	0.1	0.1	4.0		
		F		5930-884-2577		DETENT, ARM: (provides restraining action for Band Switch) steel; 1 3/4 in lg x 7/16 in w x 9/32 in h; Avco part No. 813319			1	0.1	0.1	4.0		
		F		5930-823-0756		DETENT, PLATE: 20 switching pos max; 0.815 in dia; 0.265 in h o/a; Avco part No. 813178			1	0.1	0.1	4.0		
		F		5935-823-0765		DUMMY CONNECTOR, PLUG: 1.149 in lg x 1.016 in dia; Avco part No. 831164			1	0.1	0.1	4.0		
		O		5960-237-0077		ELECTRON TUBE: MIL type 5686			1	11.0	5.5	100.0		V6101
		O		5960-884-2535		ELECTRON TUBE: ceramic and metal envelope; tetrode; RCA part 7843			1	11.0	5.5	100.0		V6201
		F		5355-823-9798		EXTENSION SHAFT: (p/o front panel assy) plastic shaft; 0.248 in - 0.265 in dia bore x 0.092 in - 0.093 in distance from bore to flats; 2 3/8 in lg o/a; Avco part 802029			1	0.2	0.2	4.0		
		F		5915-853-6400		FILTER, LOW PASS: 600 ohm input - output impedance; 3 solder stud type; 2 1/16 in lg x 1 1/16 in w x 45/64 in h o/a; Avco part 812029			1	0.2	0.2	4.0		FL5001
		F		5915-892-3011		FILTER, LOW PASS: 3000 cps cut-off freq; 600 ohm impedance 10% input, 600 ohm impedance 15%, output; 3 pin type term; 1.813 in lg x 0.750 in w x 1.06 in h o/a; Avco part 816052			1	0.2	0.2	4.0		FL8001
		F		6110-884-2589		GASKET: (front panel) syn rubber; 8.991 in id x 9.197 in od x 0.103 in h o/a; Avco part 805023-24			1	0.2	0.2	4.0		
		F		5820-884-2467		GEAR, BEVEL: 30 teeth; 0.6606 in od of gear x 0.62 in pitch dia x 0.062 in w of face x 0.289 in lg o/a; Avco part No. 813300			1	0.2	0.2	4.0		
		F		5820-884-2459		GEAR CLUSTER, SPUR: (f/final capacitor) 0.375 in lg x 0.625 in od o/a; Avco part 802328			1	0.2	0.2	4.0		

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										3RD	4TH	5TH		
A	B	C	D			RT-246/VRC (continued)								
		F		5820-884-2464		GEAR SET, BEVEL MATCHED: (3 gears f/final capacitor) Avco part 802327			1	0.2	0.1	4.0		
		H		5820-884-2470		GEAR SET, SPUR MATCHED: (rear of Osc-Buffer case) steel; 10 gears; Avco part 806118			1	–	0.2	5.0		
		F		5820-884-2468		GEARSHAFT, SPUR: (part of gear train on Control Radio Set part No. 813370-1) 0.296 in lg x 0.4791 in dia; Avco part No. 813383			1	0.2	0.2	4.0		
		F		5820-884-2457		GEAR, SPUR: (p/o A6200) steel; 28 teeth, 0.625 in od of gear; 0.5833 in pitch dia, 0.125 in w of face, 0.406 in lg o/a; Avco part 802340			1	0.1	0.1	4.0		
		F		5325-886-3316		GROMMET, RUBBER: (for Audio Module Tray) syn rubber; 0.563 in od x 0.281 in dia hole x 0.250 in h o/a; Avco part 812094			2	0.2	0.2	10.0		
		F		5820-873-1953		GUIDE, COUPLING COIL: (acts as guide f/output coil of final amp); 1 3/16 in lg x 13/16 in w x 17/32 in h o/a; Avco part 802287			1	0.2	0.2	5.0		
		H		5930-815-6364		GUIDE, SWITCH: (used to guide the plate on slide type switch) brass; 0.213 in d x 0.121 in dia x 0.218 in lg; Avco part 802374			4	–	0.2	12.0		
		F		4140-892-5952		IMPELLIER, FAN, CENTRIFUGAL: 16 blades; ccw rotation; 1 1/2 in dia x 5/8 in w o/a; Avco part 802223			1	0.2	0.2	5.0		
		O		5960-892-3197		INSERT, ELECTRON TUBE SHIELD: (base liner) 0.005 in thk; 2 11/16 in lg x 13/32 in w x 1/16 in h; International Electronic Research part T6-126000JH			1	0.5	0.3	20.0		
		O		5960-892-3198		INSERT, ELECTRON TUBE SHIELD: (shield liner) 0.005 in thk; 2 15/16 in lg x 1 3/8 in w x 1/8 in h o/a; International Electronic Research part T6-226020JH			1	0.5	0.3	20.0		
		H		5340-726-1065		INSERT, SCREW THREAD: 0.187 in lg x 0.042 in w of slot x 0.085 in lg of slot; Groov-Pin part 08656-18			10	–	0.3	50.0		
		F		5340-853-6396		INSERT, SCREW THREAD: No. 4 (0.112 in) -40 NC; 0.375 in lg o/a; Avco part 805096			3	0.3	0.2	5.0		
		H		5340-853-6424		INSERT, SCREW THREAD: No. 4 (0.112 in) -40 UNF or NF class; 11/64 (0.172 in) -40 nom external thd; 0.234 in lg o/a; Groov-Pin part N11240-18			69	–	0.8	224.0		

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5340-853-6711		INSERT, SCREW THREAD: No. 6 (0.138 in)-32 UNF internal thd; 7/32 (0.218 in)-32 external thd; 0.281 in lg o/a; Groov-Pin part N13832-18			17	-	0.7	168.0		
		F		5340-853-6712		INSERT, SCREW THREAD: internal thd, 8-32 UNC-3B thd, class 3 fit; external thd, 1/4-32 NEF class 2 fit; Groov-Pin part HM16432-18			25	1.3	0.8	125.0		
		F		5340-864-4780		INSERT, SCREW THREAD: 6 (0.138 in) -40, NF, class 2 fit, Internal thd; 0.185 in min 0.191 in max od x 0.313 in lg x 0.062 in d internal thd relief; Avco part 810087			4	0.4	0.2	20.0		
		H		5340-823-5249		INSERT, SCREW THREAD: 6(0.138 in) -32 UNF or NF class; 7/32 in (0.219 in) -32 nom external thd data; 0.203 in nom o/a lg; Groov-Pin Corp No. NM13832-18			36	-	0.2	24.0		
		H		5340-823-5250		INSERT, SCREW THREAD: No. 10 (0.190 in) -32 NF internal thd; 19/64 (0.297 in -24 external thd; 0.281 in lg o/a; Groov-Pin part NM19032-18			7	-	0.2	35.0		
		H		5340-823-5327		INSERT, SCREW THREAD: No. 8 (0.164 in) -32 NF internal thd; 1/4 (0.250 in) -32 external thd; 0.328 in lg o/a; Groov-Pin part NM16432-18			5	-	0.2	3.0		
		H		5340-823-5330		INSERT, SCREW THREAD: No. 8 (0.164 in) -32 NF internal thd; 1/4 (0.250 in) -32 external thd; 0.328 in lg o/a; Groov-Pin part N16432-18			3	-	0.1	15.0		
		H		5340-854-9243		INSERT, SCREW THREAD: No. 6 (0.138) in -32 NC internal thd; 7/32-32 external thd; 0.187 in lg o/a; Groov-Pin part HS13832-18			2	-	0.1	10.0		
		F		5970-892-3196		INSULATOR, PLATE: (p/o A6200) ceramic; 2 1/4 in lg x 1 5/8 in w x 0.625 in h; Avco part 802106			1	0.1	0.1	5.0		
		F		5970-853-6403		INSULATOR, WASHER: (for diode ref sym CR201) washer type; 0.625 in dia x 0.008 in thk; Avco part 805088			.6	1.2	0.7	24.0		
		F		5935-849-5110		JACK, TIP: term stud f/wire attachment; yellow; Sealectro part SKT14 yellow			1	0.1	0.1	3.0		
		F		5935-859-2643		JACK, TIP: term stud f/wire attachment; violet; 0.145 in dia; Sealectro part SKT 14 violet			1	0.1	0.1	3.0		
		F		5935-859-2644		JACK, TIP: term stud f/wire attachment; brown; 0.145 in dia; Sealectro part SK7 14 brown			1	0.1	0.1	3.0		

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5935-897-8975		JACK, TIP: miniature tip contact element; black; 0.145 in dia; Sealectro part SKT 14 black			2	0.2	0.2	6.0		
		F		5935-897-8976		JACK, TIP: miniature tip contact element; 0.145 in dia; Sealectro part SKT 14 white			1	0.1	0.1	3.0		
		F		5935-897-8977		JACK, TIP: miniature tip contact element; 0.145 in dia; Sealectro part SKT 14 orange			2	0.2	0.2	6.0		
		F		5935-897-8978		JACK, TIP: miniature tip contact element; 0.145 in dia; Sealectro part SKT 14 red			3	0.2	0.2	6.0		
		O		5355-853-6353		KNOB: (light) rd shape; 0.687 in max od x 0.500 in thk o/a; Avco part 807191			1	0.2	0.1	5.0		
		O		5355-853-6384		KNOB: (volume) rd shape; 0.812 in w x 0.750 in thk o/a; Avco part 813047			1	0.2	0.1	5.0		
		O		5355-853-6385		KNOB: (MC) rd w/bar face shape; 1.375 in lg x 0.813 in w x 1.000 in thk o/a; Avco part 807218			1	0.2	0.1	5.0		
		O		5355-879-8470		KNOB: (squelch, power, KC, Band) bar shape, alum; 1.187 in lg x 0.469 in w x 0.469 in thk o/a; Avco part 813440			4	0.7	0.4	30.0		
		F		6250-862-2763		LAMPHOLDER: 28 v, 0.40 amp max elec rating; 0.688 in lg x 0.640 in dia o/a; Dialight part 177-8430XP10-9			1	0.2	0.1	10.0		DS302
		H		6250-870-3858		LAMPHOLDER: acts as positive contact f/dialight; 0.911 in lg x 0.490 in w x 0.313 in h o/a; Avco part 807114			1	-	0.1	10.0		DS301
5		O		6240-155-7836		LAMP, INCANDESCENT: 28 v, 0.04 amp; T-1 3/4 bulb, MIL type MS25237-327			2	1.5	0.9	200.0		DS301 DS302
		F		5325-286-7579		LATCHGUIDE, SNAPSLIDE FASTENER: (for module tray shields) 0.602 in lg x 0.266 in w x 0.082 in dia o/a; Aircraft Radio part 3887			17	0.9	0.6	68.0		
		F		5325-262-9130		LATCH, SNAP SLIDE FASTENER: (for module tray shields) 0.612 in lg o/a x 0.031 in thk x 0.240 in w o/a; Aircraft Radio part 3888			17	1.6	1.0	68.0		
5		O		6210-853-2180		LENS, INDICATOR LIGHT: (CALL) amber; 0.609 in dia x 0.625 in h o/a; Dialight part No. 177-973			1	0.3	0.2	8.0		
		H		5820-858-6497		LIGHT CONDUCTOR, PANEL: (dial light reflector) 0.555 in x 0.560 in w x 0.312 in h; 1.654 in lg; Avco part 807055			1	-	0.1	3.0		

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										3RD	4TH	5TH		
A	B	C	D			RT-246/VRC (continued)								
		F		5820-853-6467		MAINTENANCE KIT, ELECTRONIC EQUIPMENT: (switch kit for X-Mode-Normal switch on if module tray) c/o ball bearing, ring retaining, shaft, sw, contact elec, housing sw; Avco part 810145			1	0.1	0.1	10.0		
		F		6105-823-2605		MOTOR, ALTERNATING CURRENT: repulsion ind type; capacitor starting; 90 to 150 v ac, 400 cyc, single ph; 0.006 hp, 10,000 rpm; Avco part 802131			1	0.3	0.2	5.0		B6201
		F		6105-823-2604		MOTOR-TACHOMETER GENERATOR: dc; 2.5 v/1000 rpm, min output; ac 115 v main phase, 36 ct wound bifilar control phase, 400 cycles input; 4.133 in lg x 1.753 in dia; Avco part No. 813278			1	0.3	0.2	4.0		MG301
		F		5915-884-2601		NETWORK, IMPEDANCE MATCHING: 150 ohms input-10,000 ohms output impedance; 500-3000 cps freq response; 1 3/8 in lg x 15/16 in w x 7/16 in h o/a; Avco part 806141			1	0.2	0.2	7.0		Z401
		F		5915-871-5016		NETWORK, PHASE CHANGING: to effect a phase shift from a servo amplifier to a servo motor; 40° C to + 85° C oper temp; rect shape; 1 7/8 in lg x 1 in w x 31/32 in h o/a; Avco part No. 813342			1	0.3	0.2	3.0		Z301
		O		5310-853-5855		NUT, SHEET SPRING: (f/module hold down screw) ss; 0.375 in lg x 0.120 in thk x 0.344 in w; Tinnerman part C1553SS012-27			34	1.7	1.0	170.0		
		F		5310-823-8759		NUT, SLEEVE: (p/o J402) No. 4 (0.112 in) -40 NC thd data; 0.359 in nom lg; Avco part 816050			2	0.2	0.2	10.0		
		F		5310-823-8760		NUT, SLEEVE: (p/o L6203) open end type; No. 6 (0.138 in 32 NC thd; 0.375 in dia shank; 0.687 in nom lg; Avco part 802242-2			1	0.1	0.1	5.0		
		F		5310-823-8761		NUT, SLEEVE: (p/o L6203) open end type; 1/2 in lg x 3/8 in dia No. 6 (0.138 in) -32 NC thd; 0.500 in lg o/a; Avco part 802242-1			1	0.1	0.1	5.0		
		F		5310-853-9676		NUT, SLEEVE: (secures dial lamp and volume control knob) closed end type; No. 5 (0.125 in) -40 thd; 0.344 in lg o/a; Avco part 813189			2	0.2	0.2	10.0		
		F		5330-579-3163		PACKING, PREFORMED: syn rubber; 0.984 in id x 1.262 in od x 0.139 in h o/a; MIL type MS28775-214			6	1.5	0.9	24.0		

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 3RD	(9) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 4TH	(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS 5TH	(11) ILLUSTRATIONS FIGURE NO	(12) ILLUSTRATIONS ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		O		5330-892-4104		PACKING, PREFORMED: (bottom cover gasket) syn rubber; 14.710 in id x 14.916 in od x 0.103 in h o/a; Avco part No. 805023-19			1	0.3	0.2	4.0		
		F		5330-892-4105		PACKING, PREFORMED: (p/o A9400) syn rubber; 4.648 in id x 4.788 in od x 0.070 in h o/a; Avco part 806068			1	0.3	0.2	4.0		
		O		5820-856-3289		PACKING, PREFORMED: (top cover gasket) syn rubber; 15.928 in id x 16.134 in od x 0.103 in h o/a; Avco part No. 805023-23			1	0.3	0.2	4.0		
		F		5820-856-4754		PACKING, PREFORMED: syn rubber; 12.897 in id x 13.103 in od x 0.103 in h o/a; Avco part 805023-18			1	0.2	0.2	4.0		
		H		5315-823-8762		PIN, GROOVED, HEADLESS: 0.124 in dia small ord x 0.134 in intermediate dia x 0.250 in lg; Avco part 807196-15			.2	-	0.1	3.0		
		H		5315-849-9493		PIN, GROOVED HEADLESS: (on rear of front panel) steel; cadmium-plated finish; 0.123 in min, 0.136 in max dia large end, 0.375 in nom lg; Avco part No. 807196-16			5	-	0.2	15.0		
		O		5315-823-8764		PIN, STRAIGHT, HEADED: (hinge pin for modulator tray) head data 0.312 in h x 0.218 in w; shank data 0.125 in dia x 0.031 in lg; Avco part 816074			2	0.1	0.1	4.0		
		O		5315-858-6642		PIN, STRAIGHT, HEADED: (hinge pin f/CRS and IF trap) 1/8 in nom dia x 3 11/16 in nom lg under head; Avco part 806028			2	0.1	0.1	4.0		
		O		5820-858-6483		PLATE, ELECTRICAL SHIELD: (for CRS tray) steel; rect shape; 9.563 in lg x 4.156 in w x 0.026 in thk o/a; Avco part 811161			1	0.1	0.1	3.0		
		O		5999-823-3249		PLATE, ELECTRICAL SHIELD: (f/modulator tray) steel; 5.813 in lg x 5.614 in w x 0.134 in thk; Avco part No. 816144			1	0.1	0.1	3.0		
		O		5999-853-6378		PLATE, ELECTRICAL SHIELD: (f/Audio tray) rect shape; mtd ly four snapslide fasteners; 4 5/16 in lg x 4 1/16 in w x 0.189 in thk o/a; Avco part 812088			1	0.1	0.1	5.0		
		O		5999-853-6756		PLATE, ELECTRICAL SHIELD: (f/IF tray) rect shape; 5.031 in lg x 4.156 in w x 0.094 in thk; Avco part 810093			1	0.1	0.1	3.0		

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5820-858-6495		PLATE, INSTRUCTION: (CRS decal) rect shape; 8.000 in lg x 3.469 in w x 0.004 in thk o/a; Avco part 805036			1	0.1	0.1	3.0		
		F		5820-858-6496		PLATE, INSTRUCTION: (IF decal) rect shape; 6.031 in lg x 3.875 in w x 0.004 in thk o/a; Avco part 805037			1	0.1	0.1	3.0		
		F		5820-884-2474		PLATE, INSTRUCTION: alum; black background; 5.750 in lg x 4.875 in w x 0.003 in thk o/a; Avco part No. 816094			1	0.1	0.1	3.0		
		F		5935-853-6401		PLUG, TIP: (std phone tip contact element) 0.857 in lg o/a; Avco part 831131-1			85	4.2	2.5	170.0		
		F		5935-853-6860		PLUG, TIP: (std phone tip contact element) 0.857 in lg o/a; Avco part 831131-2			21	1.2	0.7	42.0		
		F		5999-859-2628		PRINTED CIRCUIT BOARD: (for audio module tray) rect shape; 4.312 in lg x 4.234 in w x 0.331 in thk o/a; Avco part 812076			1	0.1	0.1	4.0		
		H		5999-871-5015		PRINTED CIRCUIT BOARD: (p/o A6000) + circuit paths for RF tuner; 10 connectors, receptacle, elec; 2.378 in lg x 0.915 in w x 0.780 in h; Avco part No. 815037			1	–	0.2	5.0		
		F		5999-884-9960		PRINTED CIRCUIT BOARD: (p/o A8100) 6.114 in lg x 5.469 in w x 1.428 in h; Avco part No. 816145-2			1	0.1	0.1	3.0		
		F		5820-853-5863		RECEIVER SUB-ASSEMBLY: (tuner case assy less plug-in modules) 3.000 in x 3.125 in x 5.500 in o/a; Avco part 808061			1	0.3	–	5.0		
		H		5820-853-5923		RECEIVER SUB-ASSEMBLY: (tuner assy parent printed board) c/o 9 cap, 7 coils, 3 diodes, 6 resistors, 2 test jacks; 0.750 in x 2.625 in x 4.375 in o/a; Avco part 808064			1	–	0.2	5.0		
		H	R	5820-884-2487		RECEIVER-TRANSMITTER SUB-ASSEMBLY: (main gear assy) 3.016 in x 4.839 in x 7.844 in o/a; Avco part No. 813320		NX	1	–	0.2	4.0		
		O		5945-823-2609		RELAY, ARMATURE: DPDT; 26.5 v, 2 amp dc, 495 ohm; 1.218 in lg x 1.093 in w x 0.400 in h o/a; Avco part 812048-1 Item Nos: K401 thru K403 K405 K406			5	1.5	0.9	50.0		See desc column
		O		5945-823-2610		RELAY, ARMATURE: 2 SPDT; 26 vdc 10 amp; 300 ohm, 1.719 in lg x 1.470 in w x 0.515 in h o/a; Avco part 806100			1	0.3	0.2	10.0		K404

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										3RD	4TH	5TH	FIGURE NO.	ITEM NO.
A	B	C	D			RT-246/VRC (continued)								
		O		5945-853-5945		RELAY, ARMATURE: 1 inductive winding; 500 ohm, 26 v oper voltage, 1.218 in lg x 1.093 in w x 0.400 in h; Avco part 812048-2 (Authorized Allowances based on a total of 14)			14	4.1	2.5	140.0		K5001
		O		5945-853-5946		RELAY, ARMATURE: (squelch relay) 1 inductive winding; 1000 ohm, 16 v operation voltage, .006 amp oper; 1.093 in lg x 0.800 in w x 0.359 in thk o/a; Avco part 812035			1	0.3	0.2	6.0		K5002
		O		5945-853-6450		RELAY, ARMATURE: SPST; 10 v dc, 1 ind winding, 2000 ohm resistance, 0.0035 amp oper; 1.015 in lg x 0.795 in w x 0.359 in h o/a; Avco part 811015			1	0.3	0.2	6.0		K3001
		F		5945-884-2572		RELAY, THERMAL: spst; 30 vdc, 100 ma resis cur; Avco part 831110			1	0.3	0.2	8.0		S6201
		F		5905-186-3008		RESISTOR, FIXED, COMPOSITION: 100 ohm ± 10%; 1/2 w; 1/2 w; MIL type RC20GF101K			1	0.2	0.2	6.0		R6203
		F		5905-195-6741		RESISTOR, FIXED, COMPOSITION: 2700 ohm ± 10%; 1/2 w; MIL type RC20GF272K			1	0.2	0.2	6.0		R302
		F		5905-299-2051		RESISTOR, FIXED, COMPOSITION: 470 ohm ± 5%; 1 w; MIL type RC32GF471J			1	0.2	0.2	6.0		R6202
		F		5905-853-6412		RESISTOR, FIXED, COMPOSITION: 22 ohm ± 5%; 3 vdcw; AB part GM2205			1	0.2	0.1	6.0		R402
		F		5905-892-6372		RESISTOR, FIXED, WIRE WOUND: 2000 ohm ± 3%; 6 w; 0.750 in lg x 0.437 in w x 0.437 in thk; Avco part 831007-4			1	0.3	0.2	10.0		R6204
		F		5905-892-6373		RESISTOR, FIXED, WIRE WOUND: 17,000 ohm ± 3%; 6 w; 0.750 in lg x 0.437 in w x 0.437 in thk; Avco part 831007-3			1	0.3	0.2	10.0		R401
		F		5905-892-6398		RESISTOR, FIXED, WIRE WOUND: 43 ohm ± 1%; 25 w; 1.188 in lg x 0.562 in w x 0.562 in dia; Avco part 831147			1	0.3	0.2	10.0		R6201
		F		5905-552-5490		RESISTOR, VARIABLE, COMPOSITION: 2500 ohm ± 10%; 1/2 w; MIL type RV6LAYSA252A			1	0.3	0.2	6.0		R304
		F		5905-853-6516		RESISTOR, VARIABLE, COMPOSITION: (volume control) 1000 ohm ± 10%; 1/4 w; Avco part 813202			1	0.3	0.2	6.0		R301
		F		5905-892-6543		RESISTOR, VARIABLE, LINEAR PRECISION: 10,000 ohms; ± 2%; 1 w; plastic case; 1.202 in deep x 0.594 in dia; Avco part No. 813343			1	0.3	0.2	6.0		R303

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5340-285-2114		RING, RETAINING: steel; 0.204 in - 0.208 in max id x 0.025 in max end play take-up; Avco part 802346			2	0.2	0.2	12.0		
		F		5340-619-3376		RING, RETAINING: (p/o A6400) 0.016 in x 0.014 in thk; Waldes Koh-I-Noor part 5133-12-S			6	0.8	0.3	36.0		
		F		5320-531-9667		RIVET, TUBULAR: (for snap slides on module tray shields) brass; 0.219 in od head x 0.141 in od shoulder x 0.169 in lg o/a; Aircraft Radio part 3890			17	1.6	1.0	68.0		
		O		5305-853-6361		SCREW, ASSEMBLED WASHER: (Module retaining screw) No. 4 (0.112 in) - 40 size thd; 0.375 in lg; Avco part 812101-2			15	1.4	0.9	270.0		
		F		5305-823-5824		SCREW, CAP, SOCKET HEAD: (p/o B401) No. 8 (0.164 in - 32 thd; 0.938 in lg; Avco part 805075-2			1	0.1	0.1	10.0		
		F		5305-853-4880		SCREW, CAP, SOCKET HEAD: (secures front panel) No. 8 (0.164 in) 32 size; 7/16 in lg; Avco part 805075-1			7	0.7	0.4	70.0		
		F		5305-823-5825		SCREW, EXTERNALLY RELIEVED BODY: (f/heat exchange cover) No. 6 (0.138 in) -32 NC thd; 0.156 in lg; Avco part 806031			14	0.7	0.4	140.0		
		O		5305-823-5826		SCREW, EXTERNALLY RELIEVED BODY: (secures modulator tray) steel; 6-32 size 1.187 in lg; Avco part 816156			2	0.1	0.1	10.0		
		F		5305-823-5827		SCREW, EXTERNALLY RELIEVED BODY: (p/o A9400) No. 6 (0.138 in) -32 NC thd; 0.125 in lg; Avco part 806107-3			6	0.7	0.4	60.0		
		F		5305-823-5831		SCREW, EXTERNALLY RELIEVED BODY: (p/o A6200) No. 10-32 NF, 0.219 in lg; thd, w/6-32 NC-2B thd x 0.281 in d; Avco part 802294			6	0.7	0.4	30.0		
		O		5305-823-5834		SCREW, EXTERNALLY RELIEVED BODY: (secures push-button door assy) steel; knurled hd, slot dr, 0.312 in dia x 0.312 in h; 6 (.138 in) -32 NC, 0.156 in lg thd; 0.406 in lg; Avco part 814038			2	0.2	0.2	20.0		
		O		5305-849-3795		SCREW, EXTERNALLY RELIEVED BODY: (mtg screw f/ton cover) hex head; No. 8 (0.164 in) -32 size, thd 7/32 in lg; 9/16 in lg; Avco part 805095-1			22	2.2	1.3	220.0		
		O		5305-849-3796		SCREW, EXTERNALLY RELIEVED BODY: (secures CRS tray) 8-32 thd x 5/16 in lg; 1 3/8 in lg o/a; Avco part 805005-3			1	0.1	0.1	5.0		

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A	B	C	D			RT-246/VRC (continued)								
		F		5305-849-9046		SCREW, EXTERNALLY RELIEVED BODY: (holds connector J3001) No. 6 (0.138 in) -40 size, 0.297 in lg; Avco part 810089			4	0.2	0.2	20.0		
		O		5305-853-6339		SCREW, EXTERNALLY RELIEVED BODY: (secures IF tray) No. 8 (0.164 in) 32 size, 5/16 in lg thd; 1 1/16 in lg; Avco part 805095-2			2	0.1	0.1	10.0		
		O		5305-853-6362		SCREW, EXTERNALLY RELIEVED BODY: (secures Audio tray) No. 6 (0.138 in) - 32 size; 0.562 in lg o/a; Avco part 812015			3	0.2	0.1	30.0		
		F		5305-806-2363		SCREW, MACHINE: (p/o A6200) No. 4 (0.112 in) -40 NC thd; 0.250 in lg; Avco part 802348			4	0.4	0.2	40.0		
		F		5305-853-6474		SCREW, MACHINE: (secures main connector to case) incl "O" Ring; No. 8 (0.164 in) -32 size; 5/8 in lg; Avco part 805077-19			4	1.0	0.6	40.0		
		F		5305-853-6475		SCREW, MACHINE: (secures inserts for connectors P3001 and P4001) No. 2. (0.086 in) -56 NC thd; 0.250 in lg; Avco part 810088			4	0.4	0.2	40.0		
		F		5305-823-5829		SCREW, SHOULDER: (p/o A6200) steel, flat hd, 0.188 in dia x 0.048 in h; 4-40 NC thd; Avco part 802319			2	0.2	0.2	20.0		
		O		5305-823-5830		SCREW, SHOULDER: (Yoke Screw) steel, shoulder 0.250 in dia x 0.563 in lg; 0.437 in lg; Avco part 802355			1	0.1	0.1	10.0		
		F		5305-823-5833		SCREW, SHOULDER: (p/o B401) head data 0.316 in dia x 0.063 in h; shoulder data 0.187 in dia x 0.096 in lg x 0.142 in dia x 0.076 in lg; No. 4 (0.112 in) -40 size NC thd; 0.418 in lg; Avco part 806144			1	0.1	0.1	10.0		
		F		5960-842-9864		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N914			1	0.2	0.1	5.0		CR413
		F		5960-892-3672		SEMI-CONDUCTOR DEVICE, DIODE: silicon; 0.438 in w across flats x 1.187 in d o/a; MIL type 1N3565			1	0.2	0.1	5.0		CR406
		H		5960-577-6084		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N645 (Authorized Allowances based on a total of 6) Item Nos: CR303 CR404 CR405 CR411			6	-	1.0	30.0		See desc column
		F		5960-577-6214		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N538			1	0.2	0.1	3.0		CR302

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A	B	C	D			RT-246/VRC (continued)								
		F		5960-581-8274		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N253			1	0.2	0.1	3.0		CR301
		F		5960-879-4617		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N2992B			1	0.2	0.1	5.0		CR412
		F		5960-892-3194		SEMI-CONDUCTOR DEVICE, DIODE: Silicon; MIL type 1N1483			1	0.2	0.1	5.0		CR6201
		F		5305-823-5832		SETSCREW: (p/o A6100) No. 4 (.112 in) -40 NC thd; 0.578 in lg; Avco part 802252			2	0.4	0.2	20.0		
		O		5960-264-3004		SHIELD, ELECTRON TUBE: JAN type TS-103U02			1	0.2	0.1	10.0		
		F		5820-884-2484		SHIM: (p/o A1600) bronze; Fed spec QQ-P-330; 0.010 in thk solid; 0.188 in min, 0.193 in max dia of aperture, 1.000 in od; Avco part No. 813317			1	0.1	0.1	5.0		
		F		5820-884-2451		SLIDE: (p/o A6200) used to Connect Coils to disc and pin assy; 1.188 in lg x 0.500 in w x 0.234 in thk o/a; Avco part 802335			1	0.2	0.2	5.0		
		F		5820-884-2452		SLIDE: (p/o A6200) used to connect coils to disc and pin assy; L shaped, 1.188 in lg x 0.500 in w x 0.234 in thk o/a; Avco part 802336			1	0.2	0.2	5.0		
		F		5820-858-6475		SLIDE, PANEL: (for module tray arm) right hand; rect shape; 2.843 in lg x 0.421 in w x 0.203 in thk o/a; Avco part 805060-2			1	0.1	0.1	10.0		
		F		5820-858-6499		SLIDE, PANEL: (for module tray arm) left hand; rect shape; 2.843 in lg x 0.421 in w x 0.203 in thk o/a; Avco part 805060-1			1	0.1	0.1	10.0		
		F		5935-871-5066		SOCKET, ELECTRON TUBE: (p/o A6200); 1 3/4 in lg x 1 3/4 in w x 31/32 in h o/a; Avco part 802212			1	0.2	0.2	5.0		
		F		5935-823-0766		SOCKET, RELAY: 8 contact; 0.360 in h x 0.515 in w x 1.730 in lg o/a; Avco part 831080			1	0.2	0.1	5.0		XK404
		H		5935-863-3656		SOCKET, RELAY: 8 cont; 0.360 in h x 0.350 in w x 0.750 in lg o/a; Avco part 831124-1			3	-	0.2	15.0		XK5001 XK5002
		F		5935-884-5286		SOCKET, RELAY: 8 contact; 0.360 in h x 0.375 in w x 1.250 in lg o/a; Avco part 831109-2			5	0.8	0.5	25.0		XK405
		F		5945-823-2606		SOLENOID, ELECTRICAL: pull type, 1 coil; dc 1 amp; 2.186 in lg x 1.406 in w x 0.781 in h o/a; Avco part No. 813225			1	0.3	0.2	5.0		L301

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS		(9) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS	(11) ILLUSTRATIONS	(12)
										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5820-884-2489		SPRING, HELICAL: (p/o gear assy) steel; Fed spec QQ-W-423; 0.018 in size of material; 1.016 in free o/a of coils; 1.297 in free lg inside of hooks; 0.089 in id of spring; Avco part No. 813252			1	0.2	0.2	8.0		
		F		5820-884-2488		SPRING, HELICAL, EXTENSION: (p/o gear assy) steel; 0.562 in free o/a lg coils; 0.781 in free lg inside of hooks; 8 lb spring note per in; Avco part No. 807106			2	0.2	0.2	16.0		
		F		5820-884-2473		SPRING, HELICAL, TORSION: (p/o module tray arm assy) 0.330 in bore dia; Avco part No. 806143			1	0.1	0.1	10.0		
		F		6110-823-5296		SPRING, HELICAL, TORSION: (for module tray arm) left hand; steel; spring f/rec IF amp assy chassis arm; 0.072 in free lg of spring; 0.447 in od of coil; 0.375 in id of spring; Avco part 805091-2			1	0.1	0.1	10.0		
		F		6110-823-5297		SPRING, HELICAL, TORSION: (for module tray arm) right hand; steel; 0.072 in free lg of spring; 0.447 in od of coil; 0.375 in id of spring; Avco part 805091-1			1	0.1	0.1	10.0		
		F		5355-874-3594		STOP, ELECTRICAL SWITCH: (stop f/squelch control); 1 3/4 in lg x 25/32 in w x 1/4 in w; Avco part 813437			1	0.1	0.1	3.0		
		F		5930-876-2353		SWITCH ASSEMBLY: 4 sensitive type MIL type MS24547-1 sw; 2.081 in -2.085 in lg x 1.562 in w x 0.550 in -0.567 in h; Avco part 813365-1			1	0.5	0.3	10.0		S309
		H		5930-884-2576		SWITCH, GROUNDING: (acts as noise squelch when switching channels) 1 contact assy; 1 gear shaft, spur; 2.406 in lg x 1.500 in dia; Avco part No. 807170-2			1	-	0.2	10.0		S301
		F		5985-892-3200		SWITCH, RADIO FREQUENCY TRANSMISSION: 2 coupling pos; 50 ohms impedance; 13 v dc; 3 3/16 in lg x 1.890 in w x 1 1/8 in h o/a; Avco part No. 813312			1	0.3	0.2	6.0		K301
		F		5930-823-0760		SWITCH, ROTARY: band switch; 3 pos 30° pos incre. MIL-S-3786; 0.750 in dia x 1.640 in lg; Avco part No. 813201			1	0.3	0.2	10.0		S305
		F		5930-823-0762		SWITCH, ROTARY: 3 sect; 36 deg pos; 9 poles, 12 throws; 1.000 in h x 1.312 x 0.938 in w; Avco part 813241			1	0.3	0.2	10.0		S302

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A	B	C	D			RT-246/VRC (continued)								
		F		5930-853-5936		SWITCH, ROTARY: (dial light on-off switch) 2 pos sw; SPDT; 0.625 in lg o/a; Avco part 807193			1	0.2	0.2	10.0		S308
		F		5930-884-2579		SWITCH, ROTARY: 4 pos max no. of sw position; 4 moving cont; 15 fixed cont; 3 pole, 4 throw; Avco part 813380-1			1	0.4	0.2	10.0		S304
		F		5930-823-0758		SWITCH SECTION, ROTARY: 1 amp, 110 v ac, 2 amp, 28 v dc; 1.312 in lg x 1.250 in w x 0.120 - 0.130 in thk; Avco part 802175			1	0.4	0.2	10.0		S6202
		F		5930-501-1787		SWITCH, SENSITIVE: SPDT; ac 230 v max, dc 28 v; plastic body; 0.781 in lg x 0.396 in w x 0.250 in h; Minneapolis-Honeywell Regulator (Micro Switch Div) part No. 11SM3			2	0.6	0.4	20.0		
		F		5930-803-4570		SWITCH, SENSITIVE: SPDT; plunger type; 0.510 in lg x 0.380 in w x 0.210 in h; MIL type MS24547-1			1	0.2	0.2	10.0		S307
		F		5940-892-3059		TERMINAL BOARD: plastic bd; 41 terminals; 2.775 in lg x 0.620 in w x 0.470 in h; Avco part 813302			1	0.2	0.2	10.0		J402
		F		5940-509-5074		TERMINAL, FEED THRU, INSULATED: (p/o amplifier assy) 0.740 in lg x 0.188 in dia; 6000 v breakdown test; Sealectro part FT1000			1	0.3	0.2	5.0		
		F		5940-812-4538		TERMINAL, FEEDTHRU, INSULATED: (p/o A6100) 0.350 in lg x 0.172 in dia; 3000 v rms insulation breakdown voltage; Sealectro part FT-SM32TUR			7	0.7	0.4	35.0		
		F		5940-050-2308		TERMINAL, LUG: MIL type MS35491-3			27	1.4	0.9	270.0		
		F		5940-849-8617		TERMINAL, LUG: (for 16 vdc regulated supply A2100) 0.490 in lg x 0.153 in w x 0.080 in h x 0.062 in thk portion; accomm No. 24 AWG cond; Amp Automatic Machinery part 42263-2 (Authorized Allowances based on a total of 6)			6	0.7	0.4	60.0		
		F		5940-159-0233		TERMINAL, STUD: (on IF module tray) conductor connector style; 0.344 in lg x 0.188 in dia o/a; Avco part 802280			2	0.1	0.1	4.0		
		F		5940-821-6373		TERMINAL, STUD: brass cond; 0.350 in lg x 0.172 in dia; Color, blue; Avco part 831154-2			1	0.2	0.2	2.0		
		F		5940-838-4961		TERMINAL STUD: brass cond; 0.350 in lg x 0.172 in dia; color, white; Avco part 831154-1			1	0.2	0.2	2.0		

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5940-892-3057		TERMINAL, STUD: 0.493 in lg x 0.188 in dia; 9000 v breakdown test; Avco part 802350-9			6	1.5	0.9	12.0		
		F		5940-892-3058		TERMINAL, STUD: 33/64 in lg x 5/32 in across hex flats; 3500 v rms breakdown voltage; Cambridge Thermionic part No. 4870-1			5	0.3	0.2	10.0		
		F		5950-854-2814		TRANSFORMER, AUDIO FREQUENCY: 200 ohm pri impedance, 600, 150 ohm secd impedance; 225 ma pri; 1.750 in h x 1.187 in lg x 1.187 in w; Avco part 812020			1	0.2	0.2	6.0		T5001
		F		5950-823-3239		TRANSFORMER, POWER, STEP-DOWN: hermetically sealed; 110 v, 400 cps, 1 phs; 1.062 in h x 0.750 in lg x 0.750 in w; Avco part No. 806025			1	0.2	0.2	6.0		T301
		F		5960-752-0218		TRANSISTOR: MIL type 2N297A			2	0.4	0.2	10.0		Q102 Q103
		F		5960-853-6454		TRANSISTOR: MIL type 2N2210			6	1.5	0.9	30.0		Q9401 thru Q9406
		F		5820-884-2461		TUNER, RADIO FREQUENCY: (driver); 30,000 - 75,950 mc, 1 band; 1 47/64 in x 1 27/32 in x 3 11/16 in o/a; Avco part 802267			1	0.3	0.2	6.0		L6109
		F		5970-717-2198		WAFER, INSULATOR: acts as heat dissipation plate and mtg best f/semiconductor device; 1 15/16 in lg x 1.00 in w x 0.020 in thk; Bendix part 2106103			2	0.1	0.1	10.0		
		F		5330-853-5857		WASHER, NON-METALLIC: (Spacer for diode CR201) 0.280 in od x 0.211 in id x 0.055 in thk; Avco part 805089			3	0.4	0.2	40.0		
		H		5330-853-6422		WASHER, NON-METALLIC: (between dial lamp assy and rear of front panel) plastic; 0.562 in od x 0.375 in id x 0.031 in thk; Avco part 807050			1	-	0.1	5.0		
		F		5310-637-3050		WASHER, SPRING TENSION: (for snap slides on module tray shields); 0.130 in dia hole x 0.219 in od x 0.006 in thk x 0.031 in h o/a; Aircraft Radio part 3889			17	1.6	1.0	68.0		

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										3RD	4TH	5TH	FIGURE NO	(12) ITEM NO
A	B	C	D			RT-246/VRC (continued)								
						GROUP 1 CRYSTAL SWITCH ASSEMBLY REF SYMBOL A2000								
		F	R	5820-853-5915		OSCILLATOR, RADIO FREQUENCY: (crystal switch assy) 5.60 mc - 47.75 mc freq; 2 bands, 12 channels; 16 v oper pwr; 1.250 in x 2.844 in x 3.781 in o a; Avco part 809053			1	0.3	-	5.0		A2000
		H		5820-858-6478		ACTUATOR, CONTACT: (Actuator for Crystal Switch Assy) c/o 1 actuator plate, 1 actuator pin; rect shape; nylon; 0.500 in lg x 0.375 in w x 0.151 in h o a; Avco part 809028			1	-	0.1	3.0		
		H		3110-805-4728		BEARING, BALL, ANNULAR: ss; 0.1873 in id x 0.3123 in od x 0.124 in h; Miniature Precision Bearings part SS5632-FCHHP25L01			1	-	0.1	6.0		
		H		3110-849-3792		BEARING, BALL, ANNULAR: ss; single row, radial; 0.2500 in id max bore x 0.3750 in od; Miniature Precision Bearing part SS614FCHHP25L01			1	-	0.1	6.0		
		H		3110-892-3939		BEARING, BALL, ANNULAR: 0.250 in bore dia; 0.375 in od; stainless steel; Miniature Precision Bearing part No. SS614CHHP25L01			1	-	0.1	6.0		
		H		5930-858-6531		CAM, CONTROL: 0.265 in lg; 5 8 in dia; Avco part 800557			1	-	0.1	5.0		
		H		5930-858-6530		CAM, SWITCH, CRYSTAL: cyc shape; 0.734 in lg x 0.453 in dia; Avco part 800558			1	-	0.1	5.0		
		H		5820-853-5965		CONTACT ASSEMBLY, ELECTRICAL: 1 1/32 in lg x 27 32 in w x 7/16 in h o/a; Avco part 809031			2	-	0.2	6.0		
		H		5820-853-5966		CONTACT ASSEMBLY, ELECTRICAL: 3 3/4 in lg x 2 1/8 in w x 29/64 in h o/a; Avco part 809027			1	-	0.1	3.0		
		H		5955-853-5909		CRYSTAL UNIT, WUARTZ: 46,850 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-1			1	-	0.2	4.0		Y2006
		H		5955-853-6027		CRYSTAL UNIT, WUARTZ: 46,950 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-2			1	-	0.2	4.0		Y2007

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5955-853-6451		CRYSTAL UNIT, QUARTZ: 47,050 kc; ± 0.005%; 0.435 in lg x 0.183 in x 0.530 in h; Avco part 809051-3			1	–	0.2	4.0		Y2008
		H		5955-853-6530		CRYSTAL UNIT, QUARTZ: 47,150 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-4			1	–	0.2	4.0		Y2009
		H		5955-853-9708		CRYSTAL UNIT, QUARTZ: 47,250 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-5			1	–	0.2	4.0		Y2010
		H		5955-853-6531		CRYSTAL UNIT, QUARTZ: 47,350 kc; ± 0.005%; 0.435 in lg x 0.530 in h x 0.183 in w; Avco part 809051-6			1	–	0.2	4.0		Y2005
		H		5955-853-6372		CRYSTAL UNIT, QUARTZ: 47,450 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-7			1	–	0.2	4.0		Y2004
		H		5955-853-6532		CRYSTAL UNIT, QUARTZ: 47,550 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-8			1	–	0.2	4.0		Y2003
		H		5955-853-6533		CRYSTAL UNIT, QUARTZ: 47,650 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-9			1	–	0.2	4.0		Y2002
		H		5955-853-5838		CRYSTAL UNIT, QUARTZ: 47,750 kc; ± 0.005%; 0.435 in lg x 0.183 in w x 0.530 in h; Avco part 809051-10			1	–	0.2	4.0		Y2001
		H		5955-853-5951		CRYSTAL UNIT, QUARTZ: 5600 kc; ± 0.005%; 0.757 in lg x 0.352 in w x 0.775 in h; Avco part 809051-11			1	–	0.2	4.0		Y2011
		H		5955-853-5952		CRYSTAL UNIT, QUARTZ: 5650 kc; ± 0.005%; 0.757 in lg x 0.352 in w x 0.775 in h; Avco part 809051-12			1	–	0.2	4.0		Y2012
		H		5820-853-5921		OSCILLATOR, SUB-ASSEMBLY: printed cir bd; c/o 2 connectors, 6 cap, 2 coils, 3 resistors, 1 transistor, 1 transf; 0.562 in x 0.906 in x 2.171 in o/a; Avco part 809056			1	–	0.2	4.0		
		H		5820-853-5922		OSCILLATOR SUB-ASSEMBLY: printed cir bd; c/o 1 connector, 5 cap, 1 coil, 3 resistors, 1 transmitter, 1 transf; 0.562 in x 0.906 in x 2.171 in o/a; Avco part 809059			1	–	0.2	4.0		
		F		5305-853-6513		SCREW, EXTERNALLY RELIEVED BODY: (Mounts switch assy) No. 6 (0.138 in) -32 size, 0.188 in lg thd; 0.500 in lg Avco part 816060-2			2	0.1	0.1	20.0		
		H		5820-858-6479		SHAFT, SHOULDERED: (driving mechanism f/crystal switch com) c/o 1 coupler, 1 pin, spring; 1.781 in lg x 0.3740 in min, 0.3745 in max w x 0.813 in h o/a; Avco part 809043			1	–	0.1	2.0		

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A	B	C	D			RT-246/VRC (continued)								
						GROUP II POWER SUPPLY REF SYMBOL A9000								
		O	R	5820-884-2499		POWER SUPPLY: (complete plug-in assy) full-wave rectification; + 700 v dc, + 280 v – 16.5 output; 108 v ac output, 22-30 v dc oper pwr; 5.375 in lg x 4.937 in w x 4.125 in h o/a; Avco part 803095		NX	1	0.3	–	5.0		A9000
		F		5970-818-3486		BUSHING, SLEEVE: nylon; 0.118 in id body x 0.221 in lg o/a; Bendix part 2106300			4	0.2	0.2	20.0		
		H		5910-892-3027		CAPACITOR, FIXED, CERAMIC DIELECTRIC: 1000 uuf ± 20%; 100 vdcw; 0.375 in dia x 0.156 in lg; Erie part 805-513X5S0102M			1	–	0.2	8.0		C9006
		H		5910-615-5250		CAPACITOR, FIXED, ELECTROLYTIC: 150 uf – 15% + 75%; 30 vdc; 0.875 in dia; MIL type CL14CH151UP1			1	–	0.3	8.0		C9002
		H		5910-816-9491		CAPACITOR, FIXED, ELECTROLYTIC: 100 uf – 15% + 50%; 30 vdc; 0.469 in dia x 0.687 in lg; MIL type CL44BH101TP3			1	–	0.3	8.0		C9001
		H		5910-892-3050		CAPACITOR, FIXED, ELECTROLYTIC: 8 uf – 10% + 100%; 350 vdc; 1.000 in d x 0.875 in h x 1.812 in w; Avco part 831068 Item Nos: C9003 C9004 C9005 C9007			4	–	1.2	32.0		See desc column
		H		5910-892-3155		CAPACITOR, FIXED, ELECTROLYTIC: 4.7 uf ± 10%; 35 vdc; 0.185 in dia x 0.500 in lg; Micromold part MCS14F475K			1	–	0.3	8.0		C9010
		H		5910-865-9534		CAPACITOR, FIXED, MICA DIELECTRIC: 390 uuf ± 5%, 500 vdc, 0.395 in deep x 0.220 in h x 0.470 in w; Avco part 831053-26			1	–	0.3	16.0		C9008
		F		5910-892-3051		CAPACITOR, FIXED, PAPER DIELECTRIC: 2 uf ± 10%; 200 vdc; 0.562 in dia x 1.781 in lg; MIL type CH04A1MC205K			3	0.7	0.4	18.0		C9009 C9011 C9012

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5935-823-0775		CONNECTOR, RECEPTACLE, ELECTRICAL: 11 female cont; 1.800 in lg x 0.437 in w x 0.430 in h o a; Continental Connector part 683-2GD			1	-	0.2	10.0		J9003
		H		5935-823-0778		CONNECTOR, RECEPTACLE, ELECTRICAL: 15 male cont; 1.531 in lg x 0.484 in w x 0.421 in h o a; Cannon part DA15PC33			1	-	0.2	10.0		P9001
		H		5935-823-0779		CONNECTOR, RECEPTACLE, ELECTRICAL: 17 male cont; 2.093 in lg x 0.765 in w x 0.500 in h o a; Avco part 803081			1	-	0.2	10.0		P9002
		F		5935-853-3863		CONNECTOR, RECEPTACLE, ELECTRICAL: 16 contacts, 2.078 in lg x 0.765 in w x 0.500 in h o a; Avco part 803080			1	0.2	0.2	10.0		J9002
		F		5999-871-5014		PRINTED CIRCUIT BOARD: (test points) holds components and elec paths f/system; rect shape; 5.375 in lg x 4.281 in w x 0.769 in thk o/a; Avco part 803094			1	0.2	0.1	4.0		
		H		5950-823-3240		REACTOR: 124 mh, 9 ohm resistance; 500 v rms test voltage; 2.343 in h x 2.375 in lg x 0.937 in w o a; Avco part 803057			1	-	0.2	4.0		L9002
		H		5950-823-3241		REACTOR: 2 uh, 10 amp, dc resistance; 500 v rms test voltage; 2.343 in h x 2.375 in lg x 1.187 in w; Avco part 803056			1	-	0.2	4.0		L9001
		H		5950-823-3242		REACTOR: 130 uh, 12 ohm dc resistance; 500 rms test voltage; 0.719 in h x 1.312 in lg x 1.312 in w; Avco part 803058			1	-	0.2	4.0		L9003
		O		5945-853-5945		RELAY, ARMATURE: 1 inductive winding; 500 ohm, 26 v oper voltage; 1.218 in lg x 1.093 in w x 0.400 in h; Avco part 812048-2 (For Authorized Allowances see Relay, Armature Ref Sym K5001)			2	-		-		K9001 K9002
		H		5905-279-1717		RESISTOR, FIXED, COMPOSITION: 150,000 ohm ± 10%; 1 w; MIL type RC32GF154K			4	-	0.6	24.0		R9001 thru R9004

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS		(9) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS	(10) ILLUSTRATIONS	
										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5905-892-6328		RESISTOR, FIXED, COMPOSITION: 180 ohm ± 5%; 1 w; 0.562 in lg x 0.225 in dia; Allen Bradley part GM1815			1	–	0.2	6.0		R9011
		H		5905-892-6329		RESISTOR, FIXED, COMPOSITION: 18 ohm ± 5%; 1 w; 0.562 in lg x 0.225 in dia; Allen Bradley part GM1805			2	–	0.3	12.0		R9009 R9010
		H		5905-892-6330		RESISTOR, FIXED, COMPOSITION: 1,000 ohm ± 5%; 1 w; 0.562 in lg x 0.225 in dia; Allen Bradley part GM1025			1	–	0.2	6.0		R9012
		H		5905-889-0010		RESISTOR, FIXED, WIRE WOUND: 10 ohm; MIL type RW69V100			2	–	0.3	20.0		R9401 R9102
		H		5905-892-6331		RESISTOR, FIXED, WIRE WOUND: 10 ohm ± 1%; 1 w; 0.406 in lg x 0.094 in od; Avco part 831162-1			1	–	0.2	10.0		R9008
		H		5905-892-6433		RESISTOR, FIXED, WIRE WOUND: 270 ohm ± 5%; 3 w; 0.562 in lg x 0.250 in od; Avco part 831136-1			1	–	0.2	10.0		R9007
		H		5905-892-6434		RESISTOR, FIXED, WIRE WOUND: 390 ohm ± 5%; 3 w; 0.562 in lg x 0.250 in od; Avco part 831136-2			1	–	0.2	10.0		R9006
		H		5905-892-6435		RESISTOR, FIXED, WIRE WOUND: 50 ohm ± 1%; 1 w; 0.406 in lg x 0.094 in od; Avco part 831162-2			1	–	0.2	10.0		R9005
		F		5305-823-5828		SCREW, EXTERNALLY RELIEVED BODY: No. 8 (0.164 in) -32 NC thd; 0.281 in lg; Avco part 803069-1			3	0.3	0.2	30.0		
		H		5960-577-6084		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N645 (For Authorized Allowances see Semi-Conductor Device Ref sym CR303)			2	–	–	–		CR9001 CR9014

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										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5960-752-0986		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N649			8	-	0.7	40.0		CR9006 thru CR9013
		H		5960-752-1170		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N648			4	-	0.4	20.0		CR9002 thru CR9005
		H		5960-811-5799		SEMI-CONDUCTOR DEVICE, DIODE: MIL type 1N1202			1	-	0.1	5.0		CR9015
		H		5935-871-5067		SOCKET, RELAY: 7 cont; 0.360 in h x 0.350 in w x 0.750 in lg o/a; Avco part 831124-2			1	-	0.1	5.0		XK9001
		H		5935-884-5288		SOCKET, RELAY: 7 cont; 0.360 in h x 0.350 in w x 0.750 in lg; Avco part 831124-6			1	-	0.1	5.0		XK9002
		H		5940-819-2961		TERMINAL, STUD: Sealectro part RST-SM1B2; 3000 v rms breakdown voltage; 0.330 in lg x 0.172 in dia o/a			5	-	0.6	10.0		
		H		5950-823-3237		TRANSFORMER, POWER STEP-DOWN AND STEP-UP: 46 v, 2000 cps pri windings; 25 v, 36 ma, 275 v, 80 ma, 700 v, 200 ma secd windings, 2.344 in h x 2.375 in lg x 1.750 in w; Avco part 803054			1	-	0.2	6.0		T9001
		H		5950-823-3238		TRANSFORMER, POWER, STEP-UP: 45 v, 400 cps pri winding; 135 v, 130 ma, 290 ma secd windings; 2.344 in h x 2.360 in lg x 1.187 in w; Avco part 803055			1	-	0.2	6.0		T9002
		H		5330-292-4321		WASHER, NON-METALLIC: plastic; 0.250 in od x 0.125 in id x 0.063 in thk; Avco part 803127			9	-	0.5	90.0		
						GROUP III PUSHBUTTON ASSEMBLY REF SYMBOL A7001								
		F	R	5820-884-2492		SELECTOR CONTROL SUB-ASSEMBLY: (push button assembly) less relays; 3 17/32 in x 3 19/32 in x 6 15/32 in; Avco part 814093-2			1	0.4	-	8.0		A7001
		F		5930-201-4707		ADAPTER, SWITCH ACTUATOR: spring leaf type; non-adjustable; 0.395 in x 0.375 in x 0.119 in x 0.860 in; Micro sw JS2			1	0.1	0.1	12.0		

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS		(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS	(11) ILLUSTRATIONS	
										3RD	4TH	5TH	FIGURE NO	ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		H		5930-884-2573		ARM, SWITCH ACTUATOR: steel; 0.968 in lg x 0.355 in w x 0.065 in thk; Avco part 814024			10	–	0.6	50.0		
		F		5910-892-3053		CAPACITOR, FIXED, PAPER DIELECTRIC: 1 uf ± 5%; 200 vdcw; 1.265 in lg x 0.635 in w x 0.415 in thk; Avco part 831063-9			1	0.3	0.2	8.0		C7101
		H		5935-823-0753		CONNECTOR, RECEPTACLE, ELECTRICAL: 20 cont; 1 connector mating end; 2.406 in lg x 0.406 in w x 0.328 in h; Avco part 814087			1	–	0.1	10.0		
		H		5935-892-8800		CONNECTOR, RECEPTACLE, ELECTRICAL: 34 cont; 1.560 in lg x 0.500 in w x 0.220 in h; Continental Connector part SM34-20PGD			1	–	0.1	10.0		P7101
		H		5930-823-3244		CONTACT ASSEMBLY, ELECTRICAL: (circuit assy) pile-up type; 5.594 in lg x 2.344 in w x 1.234 in h; Avco part 814071			1		0.2	4.0		
		F		5355-823-9788		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk, marked "1"; Avco part 814029-1			1	0.1	0.1	5.0		
		F		5355-823-9789		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk marked "2"; Avco part 814029-2			1	0.1	0.1	5.0		
		F		5355-823-9790		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "3"; Avco part 814029-3			1	0.1	0.1	5.0		
		F		5355-823-9791		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; mark "4"; Avco part 814029-4			1	0.1	0.1	5.0		
		F		5355-823-9792		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "5"; Avco part 814029-5			1	0.1	0.1	5.0		
		F		5355-823-9793		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "6"; Avco part 814029-6			1	0.1	0.1	5.0		
		F		5355-823-9794		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "7"; Avco part 814029-7			1	0.1	0.1	5.0		
		F		5355-823-9795		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "8"; Avco part 814029-8			1	0.1	0.1	5.0		
		F		5355-823-9796		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "9"; Avco part 814029-9			1	0.1	0.1	5.0		
		F		5355-823-9797		KNOB: pin type; rd; aluminum; 0.562 in od x 0.656 in thk; marked "10"; Avco part 814029-10			1	0.1	0.1	5.0		

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										3RD	4TH	5TH	FIGURE NO.	ITEM NO.
A	B	C	D			RT-246/VRC (continued)								
		F		5820-884-2491		PACKING, PREFORMED: (cover gasket) plastic: 5.250 in id x 5.353 in od x 0.103 in h; Avco part 805023-17			1	0.3	0.2	4.0		
		F		5820-884-2496		PLATE, INSTRUCTION: aluminum; inscribed w/freq adj instruction; 5 13/32 in lg x 1 in w x 0.003 in thk; Avco part 814057			1	0.1	0.1	3.0		
		O		5945-853-5945		RELAY ARMATURE: 1 inductive winding; 500 ohm, 26 v oper voltage; 1.218 in lg x 1.093 in w x 0.400 in h; Avco part 812048-2 (For Authorized Allowances see Ref Sym K5001)			11	-	-	-		K7101 thru K7111
		F		5905-892-6542		RESISTOR, VARIABLE, LINEAR PRECISION: 10,000 ohm ± 2%; ± 0.25% linearity; 1 w; 1.79 in dept x 0.505 in dia; Avco part 814021			10	-	2.0	40.0		R7101 thru R7110
		F		5820-884-2495		SELECTOR CONTROL ASSEMBLY: (Printed Circuit Board w/Relay Sockets) 13/32 in x 1 13/16 in x 5 14/32 in; Avco part 814090-1			1	0.3	0.2	5.0		
		H		5935-863-3656		SOCKET, RELAY: 8 cont; 0.360 in h x 0.350 in w x 0.750 in lg o/a; Avco part 831124-1 (For Authorized Allowances see Socket, Relay XK5001, XK5002)			1	-	-	-		XK7101
		H		5935-884-5277		SOCKET, RELAY: 7 cont pos; 0.360 in h x 0.360 in h x 0.350 in w x 0.750 in lg; Avco part 831124-3			10	-	0.3	30.0		XK7102 thru XK7111
		H		5820-884-2494		SPRING, HELICAL, COMPRESSION: 10 total no. coils; 1 3/4 in free o/a lg x 0.937 in solid lg; Avco part 814041			10	-	0.6	80.0		
		H		5820-884-2493		SPRING, HELICAL, EXTENSION: 0.109 in od x 0.077 in id of springs; 0.220 in free o/a lg of coils; 0.016 in dia of matl; Avco part 814051			2	-	0.2	16.0		
		F		5940-849-8617		TERMINAL, LUG: 0.490 in lg x 0.153 in w x 0.080 in h x 0.062 in thk portion; accom No. 24 AWG cond; Amp Automatic Machinery part 42263-2 (For Authorized Allowances see Term Lug for A2100)			3	-	-	-		
		H		5310-823-8763		WASHER, SHOULDER AND RECESSED: steel, cad pl w/gold chromate fin; 0.563 in od x 0.190 in - 0.195 in id; Avco part 800912			10	-	0.6	100.0		

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A	B	C	D			RT-246/VRC (continued)								
						GROUP IV MODULE GROUP								
						NOTE: Refer to Supply Bulletin SB11-525 "Operation Modex-Module Study for Radio Sets AN/VRC-12, AN/VRC-43 thru AN/VRC-49".								
		F		5820-853-6191		RECEIVER, SUB-ASSEMBLY: (Antenna Board) ant matching cir bd; 1 test jack; 0.750 in x 2.750 in x 2.875 in o/a; Avco part 808056		NX	1	0.2	-	3.0		A1100
		F		5820-853-5917		AMPLIFIER, RADIO FREQUENCY: (just RF board) 30-75.95 mc freq range; 105 v oper; 0.875 in x 2.750 in x 2.875 in o/a; Avco part 808057		NX	1	1.0	-	18.0		A1200
		F		5820-853-5918		AMPLIFIER, RADIO FREQUENCY: (second RF board) 30-75.95 mc freq range; 105 v dc oper pwr; 0.875 in x 2.750 in x 2.875 in o/a; Avco part 808058		NX	1	1.3	-	25.0		A1300
		F		5820-853-5916		MIXER STAGE, FREQUENCY: (mixer board) 30-75.95 mc freq range; 105 v oper pwr; 0.750 in x 2.750 in x 2.875 in o/a; Avco part 808059		NX	1	1.4	-	28.0		A1400
		F		5820-897-8195		OSCILLATOR, RADIO FREQUENCY: (local osc board) 30-75.95 mc freq; 2 band, 10 channels; 10.3 v oper pwr; 0.750 in x 2.750 in x 2.875 in o/a; Avco part 808060		NX	4	0.7	-	13.0		A1500
		O		5820-858-6476		POWER SUPPLY BOARD: (105 volt dc supply) mts on rear of tuner assy; 105 v dc output, 25 v dc oper pwr reqmt; 2.000 in lg x 2.000 in w x 0.500 in d o/a; Avco part 808063		NX	1	0.8	-	15.0		A1600
		O		5820-858-6498		RADIO RECEIVER SUB-ASSEMBLY: (16 volt dc regulated supply) regulates voltage to radio rec up to 16 v; shape; 2.425 in lg x 1.531 in w x 0.063 in thk; Avco part 805069		NX	1	0.9	-	17.0		A2100
		O		5820-853-5957		OSCILLATOR, RADIO FREQUENCY: (CRS harm gen) 1-12 mc, 1 band, 12 channels freq; 16 v dc oper pwr reqmt; 0.806 in x 1.377 in x 2.126 in o/a; Avco part 811164-1		NX	1	0.4	-	7.0		A3100

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										3RD	4TH	5TH	FIGURE NO.	ITEM NO.
A	B	C	D			RT-246/VRC (continued)								
		0		5820-858-6463		AMPLIFIER-MIXER: (CRS bal mixer) 50 ohms input impedance; 680 ohms output impedance; 16 v dc input voltage; 53.00 mc oper freq minus 9 db gain; 2.126 in lg x 1.377 in w x 0.806 in h o/a; Avco part 811164-2		NX	1	0.6	-	11.0		A3200
		0		5820-853-5959		MIXER, STAGE, FREQUENCY: (CRS second mixer) 53.05 to 53.95 mc and 46.85 to 47.75 mc incoming freq ranges; 16 v dc oper pwr; 680 ohm input, 27 ohms output impedance; 0.806 in x 1.377 in x 2.126 o/a; Avco part 811164-3		NX	1	0.1	-	2.0		A3300
		0		5820-853-5962		AMPLIFIER, INTERMEDIATE FREQUENCY: (CRS first and second IF) 5.625 mc freq, 100 kc bandwidth at 3 db down; 2.38 db input to output amp; 1.2 mv input, 5.0 mv output voltage; 27 ohm imput, 680 ohm output impedance; 16 v oper pwr reqmt; 0.806 in x 1.688 in x 2.126 in o/a; Avco part 811164-4		NX	1	0.3	-	6.0		A3400
		0		5820-898-4437		AMPLIFIER-LIMITER: (CRS third IF and limiter) 680 ohm input, 680 ohm output impedance; 16 v input, 5.625 mc oper freq, 40 db gain; 2.126 in lg x 1.718 in w x 0.806 in h o/a; Avco part 811164-5		NX	1	0.3	-	5.0		A3500
		0		5820-853-5970		CONTROL, ELECTRICAL FREQUENCY: (CRS hunt discr) 5.5 mc center range, 0.5 mc control range ea side center freq; 16 vdc oper pwr; 0.806 in x 2.126 in x 2.126 in o/a; Avco part 811164-6		NX	1	0.3	-	5.0		A3600
		0		5820-853-5969		CONTROL, ELECTRICAL FREQUENCY: (CRS phase discr) 5.5 mc center freq, 0.5 mc control range ea side center freq; 16 vdc oper pwr; 0.806 in x 2.126 in x 2.126 in o/a; Avco part 811164-7		NX	1	0.9	-	17.0		A3700
		0		5820-853-5963		AMPLIFIER, INTERMEDIATE FREQUENCY: (RCVR first and second IF) 11.5 mc oper freq; 43 db input-output o/a gain; 0.0005 v rms input, 0.100 v rms output; 50 ohm input and 50 ohm output; 16 vdc oper pwr; 0.817 in x 1.475 in x 2.412 in o/a; Avco part 810114		NX	1	0.3	-	6.0		A4100

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A	B	C	D			RT-246/VRC (continued)								
		O		5820-858-6480		AMPLIFIER-DISCRIMINATOR: (rcvr third, fourth and fifth IF lim and discr) to amplify and demodulate the intermediate freq; 11.5 mc oper freq, 50 ohm input, 120,000 ohm output impedance; 4.198 in lg x 2.285 in w x 0.817 in h o/a; Avco part 810134		NX	1	1.2	-	24.0		A4200
		O		5820-853-5961		AMPLIFIER, AUDIO FREQUENCY: (audio and squelch preamp) 6.6 w pwr output; 16 v oper pwr, 150-20,000 cps oper freq; 1 channel, 47,000 k ohm input impedance; 600 ohm output; 0.057 in x 1.565 in x 2.846 in o/a; Avco part 811164-13		NX	1	0.1	-	3.0		A4300
		O		5820-853-5960		AMPLIFIER, AUDIO FREQUENCY: (audio ampl) 0.500 w pwr output, 16 v dc; 300-5000 cps oper range; 1 channel 10,000 ohm, 600 ohm output impedance; 0.745 in x 2.053 in x 3.652 in o/a; Avco part 812077		NX	1	0.6	-	11.0		A5100
		O		5820-853-5968		AMPLIFIER, DIRECT CURRENT: (squelch ampl) 0.040 w nom pwr output; 1 channel 5000 ohm impedance, 16 v dc; oper pwr; 0.745 in x 0.859 in x 3.371 in o/a; Avco part 812080		NX	1	0.7	-	14.0		A5200
		O		5915-849-3468		FILTER, BAND PASS: (squelch filter) 7.3 kc oper freq; 150 cps oper freq; 600 ohm input-output impedance; 1.759 in lg x 1.193 in w x 1.099 in h o/a; Avco part 812083		NX	1	0.1	-	1.0		A5300
		F		5820-884-2480		OSCILLATOR, RADIO FREQUENCY: (master osc board) 41.5 mc to 64.45 mc; 1 band; dc, 10.3 v; 6.3 v; 1.062 in x 2.348 in x 2.468 in o/a dim; Avco part No. 815034		NX	1	0.3	-	9.0		A6300
		F		5820-884-2481		AMPLIFIER SUB-ASSEMBLY: (buffer board) plug-in-printed circuit board; 1.093 in x 2.348 in x 2.468 in o/a dim; Avco part No. 815035		NX	1	0.3	-	5.0		A6400
		O		5820-884-2498		RECEIVER-TRANSMITTER SUB-ASSEMBLY: (pull switch) electronic sw used to control the tuning of a servo tuned Receiver-Transmitter RT-246; 3.062 in lg x 1.578 in w x 0.718 in h; plug-in module; Avco part 813351		NX	1	0.7	-	12.0		A7000
		F		5820-884-2497		AMPLIFIER, ELECTRONIC CONTROL: (servo ampl) (Servo Amplifier) plug-in module; 4.156 in lg x 1.641 in w x 1.578 in lg; Avco part 813394		NX	1	0.7	-	12.0		A7200

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A	B	C	D			RT-246/VRC (continued)								
		O		5820-884-2479		MODULATOR, RADIO TRANSITTER: (modulator) 0.2 m w max power output; 11.5 mc ± 200 cps freq; 600 ohms input; input; 51 ohms output; 12 v dc oper; 1.172 in x 1.810 in x 3.263 in o/a; Avco part No. 811164-8		NX	1	0.4	–	13.0		A8100
		O		5820-884-2476		CONTROL, ELECTRICAL FREQUENCY: (xmtr phase discr) 11.500 mc center freq; 0.500 mc control range ea side of center freq; 16 v dc; 1.165 in x 1.374 in x 3.249 in o/a; Avco part No. 811164-10		NX	1	0.3	–	9.0		A8200
		O		5820-884-2478		AMPLIFIER, INTERMEDIATE FREQUENCY: (xmtr first and second IF) 11.5 mc oper freq; 1.5 mc band w at 3 db input to output o/a gain; 10 mv rms input; 190 mv rms output, 16 v dc; 1.153 in x 1.165 in x 2.786 in o/a; Avco part No. 811164-9		NX	1	0.1	–	3.0		A8300
		O		5820-884-2475		CONTROL, ELECTRICAL FREQUENCY: (xmtr hunt gen) automatic control; 150 cps center freq; 50 cps ea side of the center freq 16 v dc; 0.837 in x 1.562 in x 2.843 in o/a; Avco part 811164-12		NX	1	0.1	–	3.0		A8400
		O		5820-884-2477		AMPLIFIER, AUDIO FREQUENCY: (speech ampl) 1 m v power output; 50 db v gain; 16 v dc; 500 to 3000 cps; operating range; 1 channel; 150 ohm, impedance; 600 ohm output impedance; 1.172 in x 2.189 in x 2.965 in o/a; Avco part No. 811164-11		NX	1	0.2	–	8.0		A8500
		F		5915-853-6528		FILTER, LOW PASS: 12 mc cut-off freq; 1000 ohm input output impedance; 3 pin type term, sealed unit; 2.656 in lg x 1.000 in h x 0.750 in h; Avco part 811186			1	0.1	–	1.0		FL3001
		F		5915-853-6583		FILTER, HIGH PASS: 34 mc cutoff freq, sealed unit; 50 ohm input-output impedance; 1.218 in lg x 1.203 in w x 0.750 in h; Avco part 811185		NX	1	0.1	–	1.0		FL3002

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 3RD	(9) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 4TH	(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS 5TH	(11) ILLUSTRATIONS FIGURE NO	(12) ILLUSTRATIONS ITEM NO
A	B	C	D			RT-246/VRC (continued)								
		F		5915-899-4169		FILTER, BAND PASS: 53 mc oper freq; sealed unit; 52.05 mc -54.30 mc bandwidth; 680 ohm input and output; 2 3/32 in lg x 1 1/2 in w x 3/4 in h; Avco part 811188		NX	1	0.1	-	1.0		FL3003
		F		5915-899-7910		FILTER, BAND PASS: 5.625 mc oper freq, sealed unit; 680 ohm input-output impedance; 1 15/16 in lg x 1 3/32 in w x 3/4 in h; Avco part 811187		NX	2	0.1	-	1.0		FL3004 FL3005
		O		5915-892-3013		FILTER, LOW PASS: (Antenna filter) no cut-off freq rating; 50 ohm input-output impedance; 2 pin type term; 6.187 in lg x 1.250 in w x 1.796 in h o/a; Avco part 834020		NX	1	0.5	0.3	3.0		FL401
		O		5915-849-3467		FILTER, BAND PASS: (barrow band) 11.5 mc oper freq; (50 kc chan oper) 11.48 mc 1-11.52 bandwidth; 50 ohm input-output impedance; 2 3/16 in lg x 1 in w x 31/32 in h o/a; Avco part 810065		NX	1	0.1	-	2.0		FL4001
						NOTE: Although the requirement for Wide Band operation is incorporated in this equipment and a limited number of these filters are in stock for testing purposes, only Narrow Band operation is planned at present. Therefore, this filter is listed for information only and should be stocked only at Depot levels.								
		O		5915-852-8715		FILTER BAND PASS: (wide band oper) 11.5 mc oper freq 11.4 mc min to 11.6 mc max bandwidth, 50 ohms input and output; 2 3/16 in lg x 1 in w x 31/32 in in h; Avco part No. 810066		NX	1	-		2.0		FL4001
		O		5915-849-3466		FILTER, BAND PASS: (50 kc chan oper) 11.5 mc oper freq; 50 ohm input-output impedance; 2-3/16 in lg x 31/32 in w x 3/4 in h o/a; Avco part 810078 NOTE: can be reversed in socket for wide band oper		NX	1	0.1	-	2.0		FL4002

By Order of Secretary of the Army:

G. H. DECKER,
General, United States Army,
Chief of Staff.

Official:

J. C. LAMBERT,
Major General, United States Army,
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  11–7
  11–16
  11–57
  11–98
  11–117
  11–155
  11–157
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  11–557
  11–587
  11–592
  11–597

NG: State AG (3); Units—Same as Active Army except allowance is one copy to each unit.

USAR: None.

For explanation cf abbreviations used, see AR 320–50.

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